

CLAIMS

1. A method of removing a biofilm, which comprises at least the following steps, carried out simultaneously or consecutively:

5 a) a solution comprising an enzyme mixture containing at least one enzyme chosen from the group of proteases and at least one enzyme chosen from the group of osidases/or carbohydrases is prepared;

10 b) a solution comprising a detergent exhibiting antibacterial, antiviral and antifungal properties is prepared; and

c) said solutions are applied, by washing or by circulation, to the surface to be treated.

15 2. The method as claimed in claim 1, which furthermore comprises the following steps, carried out simultaneously or consecutively:

20 d) a solution comprising an acid capable of dissolving deposits of mineral salts is prepared; and e) said solution is applied, by washing or by circulation, to the surface to be treated.

25 3. The method as claimed in either of the preceding claims, wherein the protease is chosen from the group formed by exopeptidases or endopeptidases, such as trypsin.

30 4. The method as claimed in any one of the preceding claims, wherein the osidase or carbohydrase is chosen from the group formed by amylase, glycosidase and galactosidase.

35 5. The method as claimed in any one of the preceding claims, wherein the enzyme mixture furthermore comprises an enzyme chosen from the group formed by lipase, amylase and ribonuclease.

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6. The method as claimed in any one of the preceding claims, wherein the enzyme mixture is pancreatin.

5 7. The method as claimed in any one of the preceding claims, wherein the detergent exhibiting antibacterial, antiviral and antifungal properties is a solution containing surfactants.

10 8. The method as claimed in any one of the preceding claims, wherein the detergent exhibiting antibacterial, antiviral and antifungal properties is an alkaline solution containing surfactants and a quaternary ammonium.

15 9. The method as claimed in any one of the preceding claims, wherein the detergent exhibiting antibacterial, antiviral and antifungal properties is a neutral solution containing surfactants.

20 10. The method as claimed in any one of the preceding claims, wherein the detergent exhibiting antibacterial, antiviral and antifungal properties is an acid solution containing surfactants.

25 11. The method as claimed in any one of the preceding claims, wherein the detergent solution furthermore contains a disinfectant such as a sodium hypochlorite or potassium hypochlorite solution.

30 12. The method as claimed in claim 2, wherein, in the acid solution for removing the deposits of mineral salts, the acid is chosen from the group formed by citric acid, peracetic acid, glycolic acid and oxyacetic acid.

35 13. A kit intended for removing a biofilm, which comprises at least one solution of an enzyme mixture containing at least one enzyme chosen from the group of proteases and at least one enzyme chosen from the group

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of osidases, and at least one solution of a detergent exhibiting antibacterial, antiviral and antifungal properties.

5 14. The kit as claimed in claim 13, wherein the protease is chosen from the group formed by exopeptidases or endopeptidases, such as trypsin.

10 15. The kit as claimed in either of claims 13 and 14, wherein the osidase or carbohydrase is chosen from the group formed by amylase, glycosidase and galactosidase.

15 16. The kit as claimed in any one of claims 13 to 15, wherein the enzyme mixture furthermore comprises an enzyme chosen from the group formed by hydrolases that break esterbonds, or esterases, especially carboxyl ester hydrolases, such as lipase, phospholipases and/or phosphonodiesterases, such as ribonuclease.

20 17. The kit as claimed in any one of claims 13 to 16, wherein the enzyme mixture is pancreatin.

25 18. The kit as claimed in any one of claims 13 to 17, wherein the detergent exhibiting antibacterial, antiviral and antifungal properties is a solution containing surfactants.

30 19. The kit as claimed any one of claims 13 to 17, wherein the detergent exhibiting antibacterial, antiviral and antifungal properties is an alkaline solution containing surfactants and a quaternary ammonium.

35 20. The kit as claimed in any one of claims 13 to 17, wherein the detergent exhibiting antibacterial, antiviral and antifungal properties is a neutral solution containing surfactants.

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21. The kit as claimed in any one of claims 13 to 17, wherein the detergent exhibiting antibacterial, antiviral and antifungal properties is an acid solution containing surfactants.

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22. The kit as claimed in any one of claims 13 to 21, which furthermore includes a solution of a disinfectant such as a sodium hypochlorite or potassium hypochlorite solution.

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23. The kit as claimed in any one of claims 13 to 22, which furthermore includes a solution of an acid capable of dissolving deposits of mineral salts such as calcium carbonate.

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24. The kit as claimed in claim 23, wherein the acid is chosen from the group formed by citric acid, paracetic acid, glycolic acid and oxyacetic acid.

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25. A composition intended for removing a biofilm, which comprises an enzyme mixture containing at least one enzyme chosen from the group of proteases and at least one enzyme chosen from the group of osidases, and a detergent exhibiting antibacterial, antiviral and antifungal properties.

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26. The composition as claimed in claim 25, wherein the enzyme mixture is pancreatin.

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